JOURANAL

OF THE

IMPERIAL FISHERIES INSTITUTE

(V.23
NO.1-2 msg.)

Vol. XXIII No. 1—5.

(Pl. I—VI.)

1927 August—1928 March

THE IMPERIAL FISHERIES INSTITUTE

TOKYO

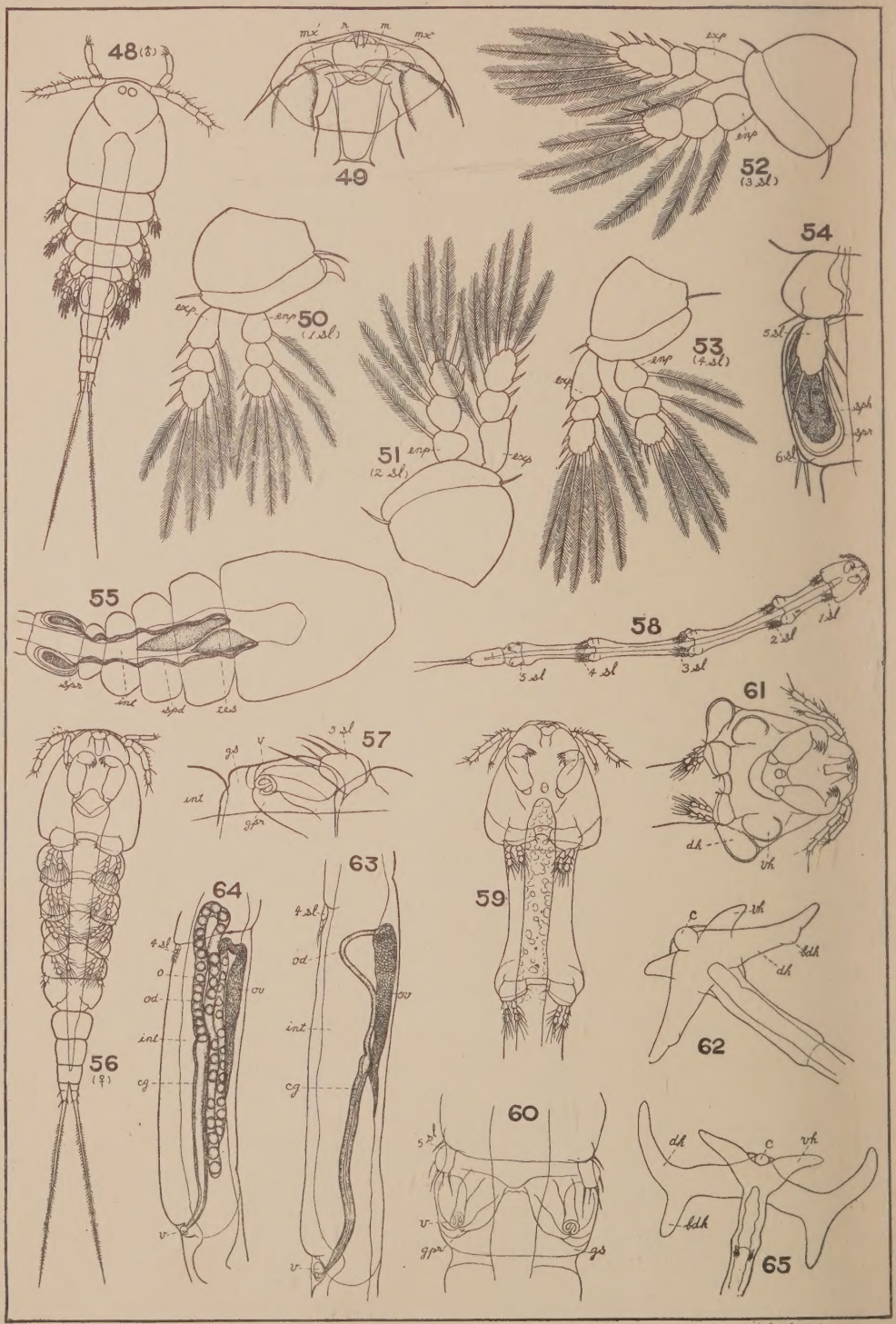
Contents of Vol. XXIII.

Page

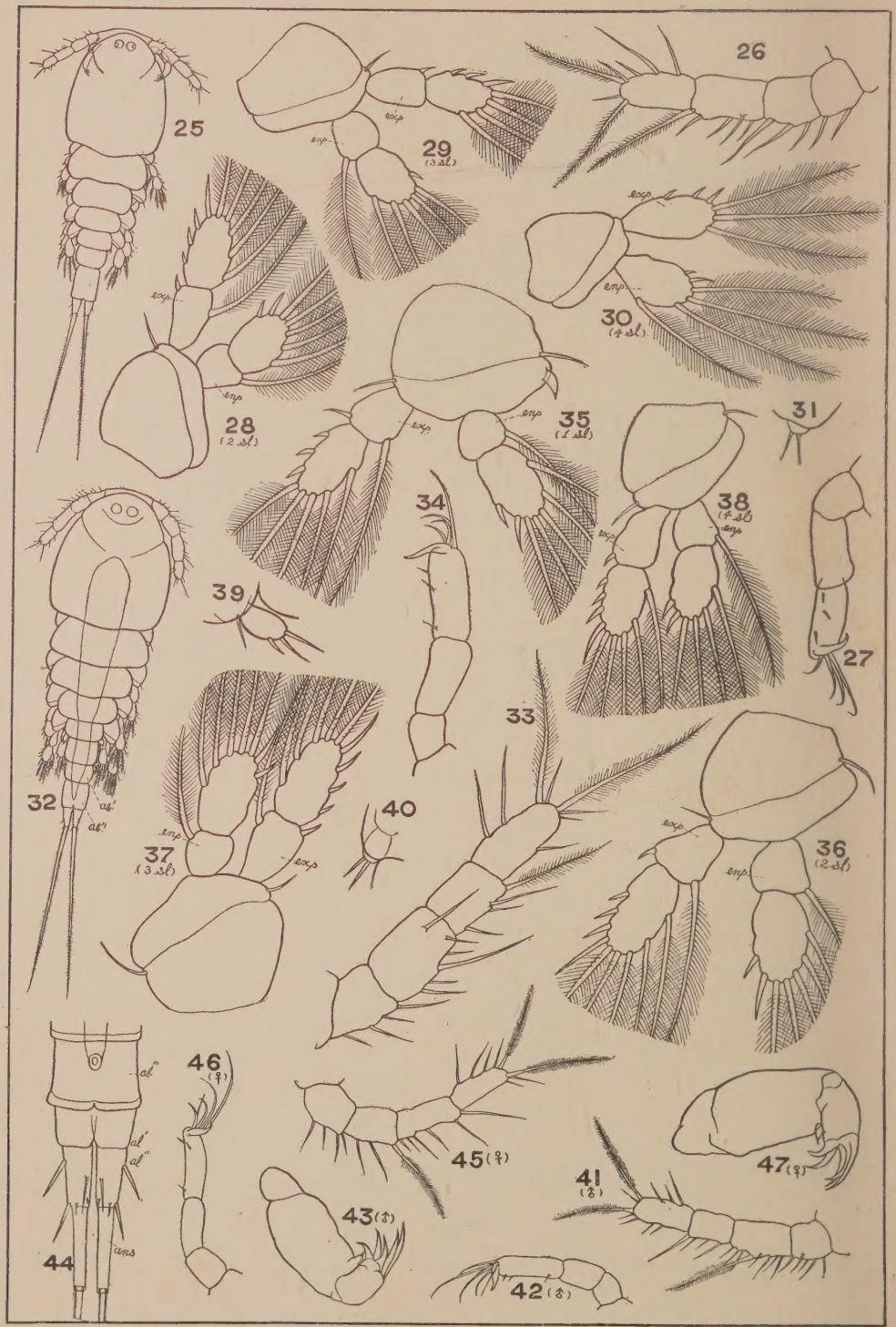
On the cold-storage of the living frond of "Asakusanori" PL. I. By Saburo Ueda.. 1
On the heated-wind-drying of fishes. By Morisaburo Tauti 2
A study on netting cords. I. The strength of the netting cords against the repeated blow. (I). By Morisaburo Tauti 5
On the preservation of the egg and sperm of *Oncorhynchus masou* (walbaum) By Minoru Kawajiri 11
The Optimum temperature of water for the hatching of the eggs of trout, *Oncorhynchus masou* (walbaum) By Minoru Kawajiri.... 14
On the relation betwen the temperature and the vitality of spirogyra sp. By Minoru Kawajiri 19
On the plane nets I. 1. Resistance of plane nets in water. By Yutaka Miyake 21
On the influence of temperature and salinity upon the rate of developement of fish. By Morisaburo Tauti 31
On the development of a parasitic, Lernaea elegans. Leigh-sharpe, infesting on Cyprinus carpie L. (with 7 Text figures and Plate II-IV.) Nobutaka Nakai 39
On the opimum temperature of water for hatching the eggs of Rainbow trout Salmo irideus (Gibbons)) By Minoru Kawajiri .. 59
The influence of variation of temperature of water on the development of fish-eggs. By Minoru Kawajiri 65
On the influence of four kinds of vibration upon the eggs of Oncorhynchus masou (Brevoort) By Kyuzo Hata 74
Neue grüne Alge als Nahrung für die Schalenlarven der Auster von Saburo Uyeda .. 78
On the Artificial culture of oyster larvae II) By Juzō Hori & Daijiro Kusakabe..... 79
Relation between the daily catch of fish and the Meteorological elements: part I. Statistical studies in the influence of the motion

Page

of cyclone upon the fishing. By Mititaka Uda..... 80
Studies of netting cords II. Relation between the Load & the Elongation of netting cords. By Dr. Morisaburo Tauti 88
Studies on Fish-disease. I Ikarimushi (Lernaea elegans) A new parasitic copepod of Japanese Eel. By Yoshiichi Matsui and Asao Kumada..... 101
On the nature of water and Bottom of Fish-rearing-ponds. I On case of Damage done to the cultivated Fish by Acid-soil..... 107
II. Analytical table compiled up to the fiscal year 1926. By Tokujiro Yamada .. 108
Chemical studies on the Silkworm as Fish-food I. The difference of chemical constitution of pupa on the sort of Silkworm. By Oshima-Shinobu 114
Chemical studies on the Silkworm as Fish-food II. The Digestion of Silkworm-pupa with Protease of Eels. By Oshima-Shinobu 115
Chemical studies on the Silkworm-pupa as Fish-food III. Achemical change of Stored pupae. By Oshima-Shinobu..... 117
On the Seasonal Change of the chemical constitution of muscle of carps. By Oshima-Shinobu..... 118
On the chemical Change of the Eels in the course of Fasting. By Oshima-Shinobu.... 119
A new method of measuring the degree of vacuum in Packed can. Kazumi Isii 121
On the influence of the water temperature upon the hatching of eggs of Hypomessus olidus Pallas. III. By Nobutaka Nakai.. 124
On the relation between the temperature and the vitality of the oyster preserved in the air By Juzo Hori..... 127
Studies of netting cords III. The strength of netting cords against the repeated Blow (2). By Morisaburo Tauti..... 130


48 (♂)
mx'
h
m
mx²
49
exp
enp
52 (3 sl)
54
5 sl
6 sl
spd
spr
50 (1 sl)
51 (2 sl)
53 (4 sl)
55
spr
int
spd
tes
58
1 sl
2 sl
3 sl
4 sl
5 sl
61
dh
vh
57
3 sl
gs
V
int
gpr
59
56 (♀)
64
63
4 sl
od
o
ov
int
cg
V
60
5 sl
gpr
gs
62
c
vh
bdh
dh
65

del. N. Nakai


25
26
29 (3 sl)
30 (4 sl)
28 (2 sl)
35 (1 sl)
31
38 (4 sl)
34
39
27
32
33
37 (3 sl)
40
36 (2 sl)
44
46 (♀)
45 (♀)
47 (♀)
41 (♂)
43 (♂)
42 (♂)
exp
enp
al'
al''
ans

del. N. Nakai

1
an'
an''
md
el
2
3
4
9
7
5
an'
an''
md
mx
al
6
8
10
mx
an'
an''
md
mxp
ctl
1 sl
2 sl
at
al
11
12
14
(2 sl)
exp
enp
13
(1 sl)
15
17
19
16
23
21
(2 sl)
20
(1 sl)
22
(3 sl)
24
(1 sl)
18

del. Nakao.